

AMENDED CLAIMS

1. (presently amended) Process for producing a sheet bearing a hologram, consisting essentially of the steps of, in order:
- embossing a support foil on one side by means of an embossing tool having holographic structures,
  - providing a sheet consisting of one or more layers on one side of the embossed support foil, each of said layers being provided by a method selected from the group consisting of extruding, coating or casting said one or more layers, so that corresponding holographic structures are imparted to said sheet,
  - subjecting each of said one or more layers to electron beam curing,
  - optionally, providing on the sheet one or more adhesive layers, said one or more adhesive layers optionally having a release paper arranged thereon, and
  - removing the support foil,
- whereby at least one hologram based on said corresponding holographic structure is produced on the sheet.
2. (previously amended) Process according to Claim 1, wherein the support foil is a permanently embossed thermoset or thermoplastic material.
3. (previously amended) Process according to Claim 1, wherein the support foil is a polyester or polyamide.
4. (previously canceled)
5. (previously canceled.)
6. (previously amended) Process according to Claim 5, wherein the coating film has a thickness of from 0.5 to 30  $\mu\text{m}$ .

7. (previously amended) Process according to Claim 1, wherein an additional adhesive layer of from 5 to 70  $\mu\text{m}$  in thickness is arranged on the sheet and, optionally, a release paper is arranged on said adhesive layer.

8. (previously canceled)

9. (presently amended) Process for producing a sheet bearing a hologram, consisting essentially of the steps of, in order:

embossing a support foil on one side by means of an embossing tool having holographic structures,

providing a sheet consisting of one or more layers on one side of the embossed support foil, each of said layers being provided by a method selected from the group consisting of extruding, coating or casting said one or more layers, so that corresponding holographic structures are imparted to said sheet,

subjecting each of said one or more layers to electron beam curing,

optionally, providing on the sheet one or more adhesive layers, said one or more adhesive layers optionally having a release paper arranged thereon, and

removing the support foil,

whereby at least one hologram based on said corresponding holographic structure is produced on the sheet,

Process according to claim 1 \_\_\_\_\_, wherein there are two or more layers, and each successive layer is provided on the sheet only after completion of the curing of the previous layer.

10. (unchanged) Process according to claim 1, wherein the removal of the support foil is the final processing step, whereby a final product is thereby produced.